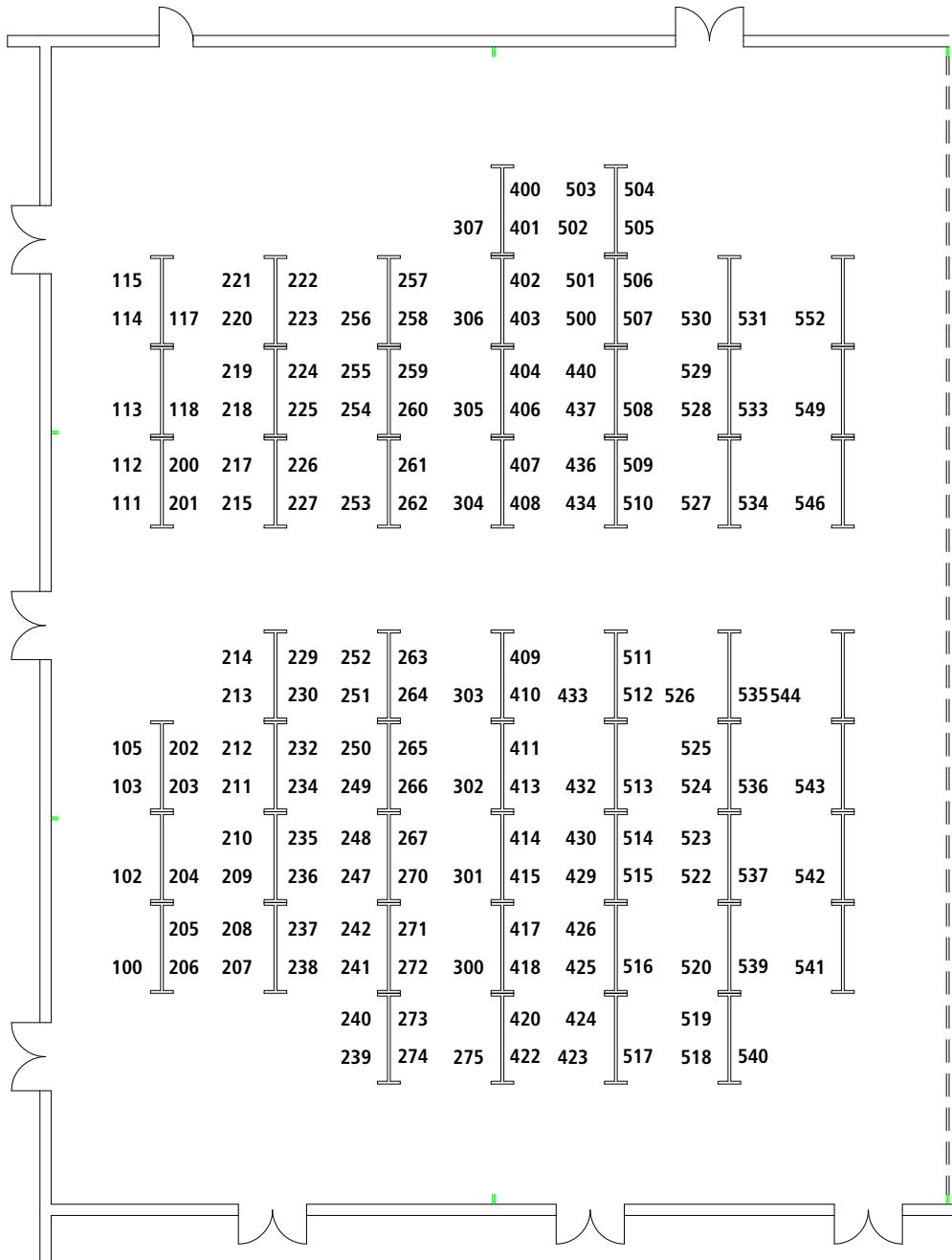


# 2016 NIDA INTERNATIONAL FORUM

## POSTER SESSION

Monday, June 13, 2016 • 7 p.m. – 9 p.m. • Flores Ballroom 1 – 4



Category Poster Presentations:	Poster #
Basic Science .....	100–118
Epidemiology .....	200–275
Other .....	300–307
Prevention .....	400–440
Treatment .....	500–552

Total Confirmed Poster Presentations:	160
Basic Science .....	11
Epidemiology .....	66
Other .....	8
Prevention .....	30
Treatment .....	45

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## 2016 NIDA International Forum Abstracts

June 13, 2016—7:00 to 9:00 p.m.

### Basic Science

- 100. The impact of lifestyle on mental health in the Gilgel Gibe Field Research Center, Ethiopia: Khat abuse as a risk factor for the development of psychotic symptoms**  
K. Adorjan<sup>1</sup>, M. Tesfaye<sup>2</sup>, M. Widmann<sup>3</sup>, F. Tessema<sup>4</sup>, M. Odenwald<sup>3</sup>, S. Toennes<sup>5</sup>, S. Papiol<sup>1</sup>, E. Susser<sup>6</sup>, M. Soboka<sup>2</sup>, Z. Mekonnen<sup>7</sup>, M. Rietschel<sup>8</sup>, S. Suleman<sup>7</sup>, T.G. Schulze<sup>1</sup>. <sup>1</sup>Institute of Psychiatric Phenomics and Genomics, Germany; <sup>2</sup>Department of Psychiatry, Jimma University, Ethiopia; <sup>3</sup>Department of Psychology, University of Konstanz, Germany; <sup>4</sup>Department of Epidemiology, Jimma University, Ethiopia; <sup>5</sup>Toxicology, University of Frankfurt, Germany; <sup>6</sup>Department of Epidemiology, Columbia University, United States; <sup>7</sup>Drug Laboratory, Jimma University, Ethiopia; <sup>8</sup>Department of Genetic Epidemiology in Psychiatry, Germany
- 102. Alterations in brain neurotransmitter levels after single and repeated inhalation of toluene in rats**  
A. Elkoussi. Department of Pharmacology, College of Medicine, University of Assiut, Egypt
- 103. Cognitive dysfunction and altered cerebral functional connectivity in chronic ketamine users**  
C-C. Hung<sup>1,2,3</sup>, C-S.R. Li<sup>4,5</sup>, S. Zhang<sup>4</sup>, S. Hu<sup>4</sup>, J.R. Duann<sup>6</sup>, T. S-H. Lee<sup>7</sup>. <sup>1</sup>Bali Psychiatric Center, Ministry of Health and Welfare, Taiwan; <sup>2</sup>Institute of Brain Science, National Yang-Ming University, Taiwan; <sup>3</sup>Brain Connectivity Laboratory, Institute of Neuroscience, National Yang-Ming University, Taiwan; <sup>4</sup>Department of Psychiatry, Yale School of Medicine, United States; <sup>5</sup>Department of Neuroscience, Yale School of Medicine, United States; <sup>6</sup>Biomedical Engineering Research and Development Center, China Medical University, China; <sup>7</sup>Department of Health Promotion and Education, National Taiwan Normal University, Taiwan
- 105. The effects of recreational marijuana and ecstasy use on brain activation during visual-motor associative learning**  
A. Kustubayeva<sup>1,2</sup>, B. Lewis<sup>1</sup>, M. Smith<sup>1</sup>, M. Smith<sup>1</sup>, J. Eliassen<sup>1</sup>. <sup>1</sup>University of Cincinnati, United States; <sup>2</sup>Kazakh National University, Kazakhstan
- 111. No association between crack cocaine addiction and COMT Val/Met polymorphism**  
T. Roman<sup>1,2</sup>, A.R. Stolf<sup>3</sup>, J.B. Schuch<sup>1,2</sup>, D. Müller<sup>1,2</sup>, G.C. Akutagava-Martins<sup>1,2</sup>, C.M. Szobot<sup>3,4</sup>, F. Pechansky<sup>3</sup>, F.H.P. Kessler<sup>3</sup>. <sup>1</sup>Post Graduate Program in Genetics and Molecular Biology, Federal University of Rio Grande do Sul (UFRGS), Brazil; <sup>2</sup>Department of Genetics, UFRGS, Brazil; <sup>3</sup>Center for Drug and Alcohol Research, Hospital de Clínicas de Porto Alegre (HCPA), UFRGS, Brazil; <sup>4</sup>Child and Adolescent Psychiatric Service, HCPA, UFRGS, Brazil
- 112. Accumbens volumes are reduced among crack cocaine users**  
S.B. Schuch-Goi<sup>1</sup>, P.D. Goi<sup>2</sup>, R. Massuda<sup>2</sup>, M. Bermudez<sup>1</sup>, L.S. Fara<sup>1</sup>, F.P. Kessler<sup>1</sup>, L. von Diemen<sup>1</sup>, C.S. Gama<sup>2</sup>, F. Pechansky<sup>1</sup>. <sup>1</sup>Center for Drug and Alcohol Research, Hospital de Clínicas de Porto Alegre (HCPA), Federal University of Rio Grande do Sul (UFRGS), Brazil; <sup>2</sup>Laboratory of Molecular Psychiatry, HCPA, UFRGS, Brazil
- 113. Role of the dopaminergic system on crack cocaine addiction: DRD2 and DRD4 genes, individual and interaction effects**  
A.R. Stolf<sup>1</sup>, J.B. Schuch<sup>2,3</sup>, D. Müller<sup>2,3</sup>, G.C. Akutagava-Martins<sup>2,3</sup>, C.M. Szobot<sup>1,4</sup>, F. Pechansky<sup>1</sup>, F.H.P. Kessler<sup>1</sup>, T. Roman<sup>2,3</sup>. <sup>1</sup>Center for Drug and Alcohol Research, Hospital de Clínicas de Porto Alegre (HCPA), Federal University of Rio Grande do Sul (UFRGS), Brazil; <sup>2</sup>Post Graduate Program in Genetics and Molecular Biology, UFRGS, Brazil; <sup>3</sup>Department of Genetics, UFRGS, Brazil; <sup>4</sup>Child and Adolescent Psychiatric Service, HCPA, UFRGS, Brazil

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## Epidemiology

114. TAAR1 modulates context-dependent Pavlovian conditioning to amphetamine  
I.M. Sukhanov<sup>1,2</sup>, L. Caffino<sup>3</sup>, E.V. Efimova<sup>4,5</sup>, S. Espinoza<sup>2</sup>, T.D. Sotnikova<sup>2,5</sup>, L. Cervo<sup>6</sup>, F. Fumagalli<sup>3</sup>, R.R. Gainetdinov<sup>2,4,5</sup>, E.E. Zvartau<sup>1</sup>. <sup>1</sup>First Pavlov State Medical University, Russia; <sup>2</sup>Department of Neuroscience and Brain Technologies, Istituto Italiano di Tecnologia, Italy; <sup>3</sup>Dipartimento di Scienze Farmacologiche e Biomolecolari, Università degli Studi di Milano, Italy; <sup>4</sup>Skolkovo Institute of Science and Technology, Russia; <sup>5</sup>Institute of Translational Biomedicine, Faculty of Biology, St. Petersburg State University, Russia; <sup>6</sup>IRCCS—Istituto di Ricerche Farmacologiche Mario Negri, Experimental Psychopharmacology, Italy
115. TBARS and BDNF changes in newborns exposed to crack cocaine during pregnancy—a comparative study  
C. Szobot<sup>1,2,3</sup>, L.A. Rohde<sup>1,2,4,5</sup>, K.M. Mendes Ceresér<sup>2,6</sup>, C. de Moura Gubert<sup>6</sup>, E. Galvão da Silva<sup>6</sup>, F. Xavier<sup>7</sup>, R. Porcianello<sup>2</sup>, L.M. Röhsig<sup>8</sup>, F. Pechansky<sup>2,3,8</sup>, V. Mardini<sup>1</sup>. <sup>1</sup>Child and Adolescent Psychiatry Service, Hospital de Clínicas de Porto Alegre (HCPA), Federal University of Rio Grande do Sul (UFRGS), Brazil; <sup>2</sup>Graduate Program in Medicine—Psychiatry, UFRGS, Brazil; <sup>3</sup>Center for Drug and Alcohol Research, HCPA, UFRGS, Brazil; <sup>4</sup>Instituto Nacional de Psiquiatria do Desenvolvimento, Brazil; <sup>5</sup>Department of Psychiatry, UFRGS, Brazil; <sup>6</sup>Laboratory of Molecular Psychiatry and Instituto Nacional de Ciência e Tecnologia Translacional em Medicina, HCPA, UFRGS, Brazil; <sup>7</sup>Undergraduate Program in Biomedical Sciences, Centro Universitário Metodista—IPA, Brazil; <sup>8</sup>Cord Blood Bank and Cryobiology Unit, HCPA, UFRGS, Brazil
117. Evaluation of oxidative stress markers among adolescent inhalant users seeking treatment at a tertiary care center in North India  
A. Verma<sup>1</sup>, R. Jain<sup>1</sup>, A. Dhawan<sup>1</sup>, R. Lakshmy<sup>2</sup>. <sup>1</sup>National Drug Dependence Treatment Centre, All India Institute of Medical Sciences, India; <sup>2</sup>Department of Cardiac Biochemistry, All India Institute of Medical Sciences, India
118. Pharmacological characterization of the opioid inactive isomers (+)-naltrexone and (+)-naloxone as toll-like receptor 4 antagonists  
X. Wang. Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, China
200. Nonproblematic and problematic Internet use among undergraduate students of medical colleges in Zagazig, Egypt  
M. Abdelghani<sup>1,2</sup>, G.S. El-Deen<sup>1</sup>. <sup>1</sup>Department of Psychiatry, Zagazig University, Egypt; <sup>2</sup>Hubert H. Humphrey Fellowship Program, Virginia Commonwealth University, United States
201. Cannabis use among road transport workers: The roles of life orientation and resilience  
G.E. Abikoye<sup>1,2</sup>, E.B. Edet<sup>1</sup>. <sup>1</sup>Department of Psychology, University of Uyo, Nigeria; <sup>2</sup>Center for Research and Information on Substance Abuse, Nigeria
202. Reasons for the change in drug use patterns toward psychoactive drugs in Gaza Strip and the level of satisfaction  
M. AlAfifi<sup>1</sup>, M. Sakka<sup>2</sup>, R. Afifi<sup>1</sup>. <sup>1</sup>Substance Abuse Research Center, Palestine; <sup>2</sup>Al-Azhar University, Palestine
203. Perceived community-level violence and prevalence of sexually transmitted infections among Mexican female sex workers who inject drugs  
N.A. Alamillo<sup>1</sup>, S.M. Kiene<sup>2</sup>, G. Rangel<sup>3</sup>, G. Martinez<sup>4</sup>, A. Vera<sup>5</sup>, S. Manian<sup>6</sup>, S.A. Strathdee<sup>5</sup>. <sup>1</sup>Joint Doctoral Program in Public Health, San Diego State University/University of California, San Diego (UCSD), United States; <sup>2</sup>Division of Epidemiology and Biostatistics, Graduate School of Public Health, San Diego State University, United States; <sup>3</sup>El Colegio de la Frontera del Norte, Mexico; <sup>4</sup>Community Health and Development of Ciudad Juarez and the Mexican Federation of Private Associations, Mexico; <sup>5</sup>Division of Global Health, UCSD, United States; <sup>6</sup>Department of Economics, UCSD, United States
204. Introducing a new research method for evaluating alcohol and other drug use among fatally injured victims in Latin America  
G. Andreuccetti<sup>1,2</sup>, V. Leyton<sup>1</sup>, I.D. Miziara<sup>1,3</sup>, N.P. Lemos<sup>4</sup>, D.R. Munoz<sup>1</sup>, C.J. Cherpitel<sup>2</sup>, H.B. Carvalho<sup>1</sup>. <sup>1</sup>University of São Paulo Medical School, Brazil; <sup>2</sup>Alcohol Research Group, United States; <sup>3</sup>Technical-Scientific Police Superintendency of the State of São Paulo, Brazil; <sup>4</sup>Office of Chief Medical Examiner-San Francisco, United States

- 205. Examining the impact of the government's attempt to regulate the novel psychoactive substance market**  
M. Beltgens. Department of Criminology, University of Leicester, United Kingdom
- 206. Understanding the increase in prescription opioids in Peru: Protocol for an exploration of practitioner knowledge**  
J. Beltran<sup>1</sup>, K. Hoffman<sup>2,3</sup>, J. Ponce-Terashima<sup>2,4</sup>, F. Fiestas<sup>5</sup>, D. McCarty<sup>3</sup>, V. Dongo<sup>5</sup>. <sup>1</sup>Hubert H. Humphrey Fellowship Program, Virginia Commonwealth University, United States; <sup>2</sup>International Center for Advanced Research and Applied Science, Peru; <sup>3</sup>Oregon Health & Science University, United States; <sup>4</sup>George Washington University, United States; <sup>5</sup>Peruvian Social Security System, Peru
- 207. Composition of party drugs in Belgium: Not what you might expect**  
P. Blanckaert<sup>1</sup>, K. Maudens<sup>2</sup>, E. Deconinck<sup>3</sup>, P. Calle<sup>4</sup>. <sup>1</sup>Belgian Early Warning System on Drugs, Scientific Institute of Public Health, Belgium; <sup>2</sup>Toxicological Centre, University of Antwerp, Belgium; <sup>3</sup>Section of Medicines, Scientific Institute of Public Health, Belgium; <sup>4</sup>Department of Internal Medicine, Ghent University, Belgium
- 208. Challenges and limitations in the implementation of research findings: The case of the "largest open drug scene" in Israel**  
H. Bonny-Noach<sup>1,2,3</sup>, S. Toys<sup>1</sup>. <sup>1</sup>Department of Criminology, Ariel University and Beit Berl College, Israel; <sup>2</sup>Prevention and Education Divison, Israel Anti-Drug Authority, Israel; <sup>3</sup>Israeli Society of Addiction Medicine, Israel
- 209. Incarceration patterns and risk of HIV infection among people who inject drugs in Tijuana, Mexico**  
A. Borquez<sup>1</sup>, D. Abramovitz<sup>1</sup>, G. Rangel<sup>2</sup>, L. Beletsky<sup>1</sup>, N. Martin<sup>1</sup>, S. Strathdee<sup>1</sup>. <sup>1</sup>Division of Global Public Health, University of California, San Diego, United States; <sup>2</sup>Comisión de Salud Fronteriza, Mexican Ministry of Health, Mexico
- 210. The prevalence of adult attention deficit/hyperactivity disorder among treatment-seeking problem gamblers**  
L. Brandt<sup>1</sup>, G. Fischer<sup>1,2</sup>. <sup>1</sup>Center for Public Health, Medical University of Vienna, Austria; <sup>2</sup>Department of Psychiatry and Psychotherapy, Medical University of Vienna, Austria
- 211. Drug consumption, knowledge of the consequences of consumption, and the relationship with academic performance among undergraduate students in St. Joseph, Trinidad**  
N. Brathwaite. Department of Research and Graduate Studies, University of the Southern Caribbean, Trinidad and Tobago
- 212. Development and validation of a scale for amotivational syndrome in chronic cannabis users**  
G.A. Castaño Pérez<sup>1</sup>, E. Becoña Iglesias<sup>2</sup>, S.M. Restrepo Escobar<sup>3</sup>, O.S. Diaz-Granados<sup>4</sup>, L.A. Rojas-Bernal<sup>\*1</sup>. <sup>1</sup>Mental Health Research Group, CES University, Colombia; <sup>2</sup>University of Santiago de Compostela, Spain; <sup>3</sup>FUNLAM University, Colombia; <sup>4</sup>Drug Abuse Project, Ministry of Health and Social Protection, Colombia
- 213. HIV, overdose mortality, and the impact of antiretroviral therapy**  
A. Caudarella<sup>1</sup>, K. Hayashi<sup>1</sup>, H. Dong<sup>1</sup>, M.J. Milloy<sup>1,2</sup>, T. Kerr<sup>1,2</sup>, E. Wood<sup>1,2</sup>. <sup>1</sup>British Columbia Centre for Excellence in HIV/AIDS, St. Paul's Hospital, Canada; <sup>2</sup>Department of Medicine, University of British Columbia, Canada
- 214. Gender and the role of alcohol on HIV risk behavior among drug users in Costa Rica**  
M. Chacón-Ortiz<sup>1</sup>, R. Achí<sup>1</sup>, M. Comerford<sup>2</sup>, K. Barrantes<sup>1</sup>, C. McCoy<sup>2</sup>. <sup>1</sup>Instituto de Investigaciones en Salud, Universidad de Costa Rica, Costa Rica; <sup>2</sup>Comprehensive Drug Research Center, University of Miami, United States
- 215. Chronic pain not associated with occupational status among a predominantly dextropropoxyphene-abusing population: Cross-sectional study from Sikkim, North East India**  
A. Chakrabarti<sup>1</sup>, D. Datta<sup>2</sup>, S. Pandey<sup>2</sup>, Y. Verma<sup>3</sup>, S. Dutta<sup>4</sup>. <sup>1</sup>Regional Occupational Health Centre-Eastern, National Institute of Occupational Health, Indian Council of Medical Research, India; <sup>2</sup>Department of Pharmacology, Sikkim Manipal Institute of Medical Sciences (SMIMS), India; <sup>3</sup>Department of Pathology, SMIMS, India; <sup>4</sup>Department of Psychiatry, SMIMS, India
- 217. Substance abuse and HIV risk among the youth of urban Nepal**  
M.B.P. Chhetri. Nepal Center for Disaster Management, Nepal

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- 218. Patients in mental health crisis admitted to hospital and use of combined drugs**  
J. Da Silva<sup>1</sup>, E. Ferreira<sup>2</sup>. <sup>1</sup>Anna Nery School of Nursing, Federal University of Rio de Janeiro, Brazil; <sup>2</sup>Institute of Psychiatry, Federal University of Rio de Janeiro, Brazil
- 219. Drug use in relation to tobacco and alcohol use in Iraqi men**  
R.M. Dabbagh<sup>1</sup>, N.J. Al-Hemairy<sup>2</sup>, J.J. Al-Diwan<sup>3</sup>, A.L. Hasson<sup>4</sup>, R.R. Rawson<sup>4</sup>. <sup>1</sup>Department of Epidemiology, Fielding School of Public Health, University of California, Los Angeles (UCLA), United States; <sup>2</sup>Unit of Psychiatry, Department of Medicine, College of Medicine, Baghdad University, Iraq; <sup>3</sup>Unit of Mental Health, Department of Community Medicine, College of Medicine, Baghdad University, Iraq; <sup>4</sup>Integrated Substance Abuse Programs, Semel Institute for Neuroscience and Human Behavior, UCLA, United States
- 220. Attitudes toward people with problematic drug use in the city of Loja, Ecuador**  
A. Delgado-Rivera<sup>1</sup>, R. Mann<sup>2</sup>, H. Hamilton<sup>2</sup>, B. Brands<sup>2,3</sup>, F. Cumssile<sup>4</sup>, M. Wright<sup>4</sup>, A. Khenti<sup>2</sup>. <sup>1</sup>National Council for Control of Narcotic and Psychotropic Substances, Ecuador; <sup>2</sup>Center for Addiction and Mental Health, University of Toronto, Canada; <sup>3</sup>Office of Research and Surveillance, Controlled Substance and Tobacco Directorate, Health Canada, Canada; <sup>4</sup>Inter-American Drug Abuse Control Commission, Organization of American States, United States
- 221. Impact of harm reduction and medically assisted treatment on HIV incidence among people who inject drugs in Ukraine: Results of a prospective cohort study**  
K. Dumchev<sup>1</sup>, M. Samko<sup>2</sup>, J. Barska<sup>2</sup>. <sup>1</sup>Ukrainian Institute on Public Health Policy, Ukraine; <sup>2</sup>Alliance for Public Health, Ukraine
- 222. Is khat use disorder a valid diagnostic entity?**  
S. Duresso, A. Matthews, S. Ferguson, R. Bruno\*. School of Medicine, University of Tasmania, Australia
- 223. A national survey of U.S. primary care physicians' knowledge and practices regarding e-cigarettes**  
O. El-Shahawy<sup>1</sup>, J.E. Lafata<sup>2</sup>, S. Sherman<sup>1</sup>. <sup>1</sup>Section on Tobacco, Alcohol, and Drug Use, Department of Population Health, School of Medicine, New York University, United States; <sup>2</sup>Department of Health Behavior and Policy, School of Medicine, Virginia Commonwealth University, United States
- 224. Family-related factors and concurrent heroin use in methadone maintenance treatment: Report from China**  
N. Feng<sup>1</sup>, C. Lin<sup>1</sup>, K. Rou<sup>2</sup>, L. Li<sup>1</sup>. <sup>1</sup>Semel Institute for Neuroscience and Human Behavior, University of California, Los Angeles, United States; <sup>2</sup>National Center for AIDS/STD Control and Prevention, Chinese Center for Disease Control and Prevention, China
- 225. Patterns of prescription drug use and misuse in Spain: The European Opioid Treatment Patient Survey**  
F. Fonseca<sup>1,2,3</sup>, M. Torrens<sup>1,2,3</sup>, M. Farré<sup>2,3,4</sup>, K.E. McBride<sup>5</sup>, I. Maremmani<sup>6,7</sup>, M. Guareschi<sup>7</sup>, D. Touzeau<sup>8</sup>, P. Villeger<sup>9</sup>, A. Benyamina<sup>10</sup>, O. D'Agnone<sup>11</sup>, L. Somaini<sup>12</sup>, R.C. Dart<sup>5,13</sup>. <sup>1</sup>Institut de Neuropsiquiatria i Addiccions, Hospital del Mar, Spain; <sup>2</sup>Institut Hospital del Mar d'Investigacions Mèdiques, Spain; <sup>3</sup>Universitat Autònoma de Barcelona, Spain; <sup>4</sup>Hospital Universitari Germans Trias i Pujol-IGTP, Spain; <sup>5</sup>Denver Health Rocky Mountain Poison and Drug Center, United States; <sup>6</sup>Department of Neurosciences, Santa Chiara University Hospital, Italy; <sup>7</sup>Associazione per l'Utilizzo delle Conoscenze Neuroscientifiche a fini Sociali, Italy; <sup>8</sup>Clinique Liberté, France; <sup>9</sup>Laboratoire de Toxicologie, Centre Hospitalier Universitaire, France; <sup>10</sup>Centre d'Enseignement, de Recherche et de Traitement des Addictions, Hôpital Paul Brousse, France; <sup>11</sup>Crime Reduction Initiative, United Kingdom; <sup>12</sup>Addiction Treatment Centre, Local Health Unit, Italy; <sup>13</sup>School of Medicine, University of Colorado-Denver, United States
- 226. Khat use prevalence and causes, and its effect on mental health among Bahir-Dar University students, North West Ethiopia**  
A.G. Gebiresilus. Addis Ababa University, Ethiopia
- 227. Gender differences among people who inject drugs with regard to HIV transmission risk in St. Petersburg, Russia**  
N. Gnatienko<sup>1</sup>, J.I. Tsui<sup>2</sup>, J.A. Wagman<sup>3</sup>, D.M. Cheng<sup>4</sup>, A. Raj<sup>3</sup>, E. Blokhina<sup>5</sup>, O. Tousova<sup>5</sup>, L. Forman<sup>4</sup>, D. Lioznov<sup>5</sup>, J.H. Samet<sup>1,4</sup>. <sup>1</sup>Boston Medical Center, United States; <sup>2</sup>University of Washington, United States; <sup>3</sup>University of California, San Diego, United States; <sup>4</sup>Boston University, United States; <sup>5</sup>First St. Petersburg Pavlov State Medical University, Russia

- 229. Prevalence of marijuana use among university students in Bolivia, Colombia, Ecuador, and Peru**  
M. Hynes<sup>1</sup>, M. Demarco<sup>1</sup>, J.C. Araneda<sup>2</sup>, F. Cumsille<sup>1</sup>.  
<sup>1</sup>Inter-American Observatory on Drugs, Inter-American Drug Abuse Control Commission, Organization of American States, United States; <sup>2</sup>Global SMART Programme-Latin America, United Nations Office on Drugs and Crime, United States
- 230. Abstinence from injecting drugs associated with decline in inflammatory markers but not with monocyte activation markers**  
S. Islam<sup>1,2</sup>, J. Astemborski<sup>2</sup>, H. Li<sup>3</sup>, S.X. Leng<sup>3</sup>, D. Piggott<sup>2</sup>, S.H. Mehta<sup>2</sup>, G.D. Kirk<sup>2</sup>. <sup>1</sup>Department of Microbiology, Jahangirnagar University, Bangladesh; <sup>2</sup>Department of Epidemiology, School of Public Health, Johns Hopkins University, United States; <sup>3</sup>Department of Medicine, School of Medicine, Johns Hopkins University, United States
- 232. Hepatitis C virus subtype distribution and evolution characteristic among drug users, men who have sex with men, and the general population in Beijing**  
Y. Jiao<sup>1,2</sup>, C. Wang<sup>2</sup>, S. Li<sup>2</sup>, L. Li<sup>2</sup>, J. Liu<sup>2</sup>, K.J. Bar<sup>3</sup>, H. Wei<sup>1</sup>, Y. Hu<sup>2</sup>, P. Huang<sup>2</sup>, Z. Zeng<sup>2</sup>, S. Jiang<sup>2</sup>, J. Du<sup>4</sup>, D. Metzger<sup>3,5</sup>, Y. Shao<sup>1</sup>, X. Zhang<sup>2</sup>, L. Ma<sup>\*1</sup>.  
<sup>1</sup>National Center for AIDS/STD Control and Prevention, Collaborative Innovation Center for Diagnosis and Treatment of Infectious Diseases, Chinese Center for Disease Control and Prevention, China; <sup>2</sup>Beijing Chaoyang District Centre for Disease Control and Prevention, China; <sup>3</sup>Perelman School of Medicine, University of Pennsylvania, United States; <sup>4</sup>National Institutes for Food and Drug Control, China; <sup>5</sup>The Treatment Research Center, United States
- 234. Prevalence of smoking behavior in a tobacco-growing Southeastern Province in Turkey**  
I. Kay<sup>1,2</sup>, S. Abes<sup>3</sup>, G. Yakan<sup>3</sup>, M. Teke<sup>3</sup>, O.B. Akici<sup>3</sup>, A. Bozlak<sup>3</sup>, M. Kutlu<sup>3</sup>. <sup>1</sup>Hubert H. Humphrey Fellowship Program, Virginia Commonwealth University, United States; <sup>2</sup>School of Medicine, Koc University, Turkey; <sup>3</sup>Adiyaman Public Health Directorate, Turkey
- 235. Preliminary results of the first nationwide general population survey on drugs in the Republic of Georgia**  
I. Kirtadze<sup>1</sup>, D. Otiashvili<sup>1</sup>, M. Tabatadze<sup>1</sup>, G. Kamkamidze<sup>2</sup>, L. Sturua<sup>3</sup>, T. Zabransky<sup>4</sup>, B. Sopko<sup>5,6</sup>, M-S. Martens<sup>7</sup>, J.C. Anthony<sup>8</sup>.  
<sup>1</sup>Addiction Research Center, Alternative Georgia, Georgia; <sup>2</sup>Health Research Union, Georgia; <sup>3</sup>National Center of Disease Control and Public Health, Georgia; <sup>4</sup>ResAd, Czech Republic; <sup>5</sup>National Monitoring Centre for Drugs and Drug Addiction, Czech Republic; <sup>6</sup>Department of Medical Chemistry and Clinical Biochemistry, 2nd Faculty of Medicine, Charles University and Motol University Hospital, Czech Republic; <sup>7</sup>Center of Interdisciplinary Addiction Research, University of Hamburg, Germany; <sup>8</sup>Michigan State University, United States
- 236. Impact of enrollment in methadone maintenance therapy on initiation of heavy drinking among people who use heroin**  
J. Klimas<sup>1,2</sup>, E. Wood<sup>1,3</sup>, P. Nguyen<sup>1</sup>, H. Dong<sup>1</sup>, M-J. Milloy<sup>1,3</sup>, T. Kerr<sup>1,3</sup>, K. Hayashi<sup>1,3</sup>. <sup>1</sup>British Columbia Centre for Excellence in HIV/AIDS, Canada; <sup>2</sup>University College Dublin, Coombe Healthcare Centre, Ireland; <sup>3</sup>University of British Columbia, Canada
- 237. Electronic cigarette use among youth in the Russian Federation**  
G. Kong<sup>1</sup>, B. Idrisov<sup>2,3</sup>, A. Galimov<sup>3</sup>, R. Masagutov<sup>3</sup>, S. Sussman<sup>4</sup>. <sup>1</sup>Yale School of Medicine, United States; <sup>2</sup>Boston University, United States; <sup>3</sup>Bashkir State Medical University, Russia; <sup>4</sup>University of Southern California, United States
- 238. Systematic review and meta-analysis of injecting-related injury and disease in people who inject drugs**  
S. Larney<sup>1</sup>, A. Peacock<sup>2</sup>, B.M. Mathers<sup>3</sup>, L. Degenhardt<sup>1</sup>. <sup>1</sup>National Drug and Alcohol Research Centre, University of New South Wales (UNSW), Australia; <sup>2</sup>School of Medicine, University of Tasmania, Australia; <sup>3</sup>The Kirby Institute for Infection and Immunity in Society, UNSW, Australia
- 239. Prevalence of ketamine abuse among vocational school adolescents in Taiwan**  
T.S.H. Lee<sup>1</sup>, S-F. Tang<sup>1</sup>, C-C. Hung<sup>2</sup>. <sup>1</sup>Department of Health Promotion and Health Education, National Taiwan Normal University, Taiwan; <sup>2</sup>Bali Psychiatric Hospital, Taiwan

- 240. Risks of other substance use among kratom users: Findings from a 2011 Thailand national household survey**  
S. Likhitsathian<sup>1</sup>, A. Aramrattana<sup>2,3,4</sup>, S. Assanangkornchai<sup>5</sup>, C. Angkurawaranon<sup>2</sup>, K. Thaikla<sup>3</sup>, M. Srisurapanont<sup>1</sup>. <sup>1</sup>Department of Psychiatry, Chiang Mai University, Thailand; <sup>2</sup>Department of Family Medicine, Chiang Mai University, Thailand; <sup>3</sup>Research Institute for Health Sciences, Chiang Mai University, Thailand; <sup>4</sup>Northern Substance Abuse Center, Chiang Mai University, Thailand; <sup>5</sup>Epidemiology Unit, Prince of Songkla University, Thailand
- 241. Psychoactive substance use and sexual risk among methadone maintenance therapy clients in China**  
S. Luo<sup>1</sup>, C. Lin<sup>1</sup>, X. Cao<sup>2</sup>, L. Li<sup>1</sup>. <sup>1</sup>Semel Institute for Neuroscience and Human Behavior, University of California, Los Angeles, United States; <sup>2</sup>National Center for AIDS/STD Control and Prevention, Chinese Center for Disease Control and Prevention, China
- 242. Roles of depression and binge drinking in the association between crack cocaine use and urban violence in Brazil**  
C.S. Madruga<sup>1,2</sup>, C.A. Miguel<sup>1,2</sup>, S. McPherson<sup>3</sup>, M.G. McDonell<sup>3</sup>, R. Caetano<sup>1,2</sup>, R. Laranjeira<sup>1,2</sup>. <sup>1</sup>National Institute of Alcohol and Drug Policies, Brazil; <sup>2</sup>Federal University of São Paulo, Brazil; <sup>3</sup>Washington State University, United States
- 247. Ambivalent attitudes toward drug users in Guyana: A preliminary study**  
P.M. Mohamed<sup>1</sup>, D. Renville<sup>2</sup>. <sup>1</sup>Faculties of Social Science and Health Sciences, University of Guyana-Turkeyen Campus, Guyana; <sup>2</sup>Faculty of Natural Sciences, Department of Mathematics, University of Guyana-Turkeyen Campus, Guyana
- 248. Impact of HIV/HCV co-infection in middle-aged/older patients with substance use disorder**  
R. Muga<sup>1,2</sup>, A. Sanvisens<sup>1</sup>, F. Bolao<sup>3,4</sup>, F. Fonseca<sup>2,5</sup>, P. Zuluaga<sup>1,2</sup>, M. Torrens<sup>2,5</sup>, D. Fuster<sup>1,2</sup>, J. Tor<sup>1,2</sup>. <sup>1</sup>Hospital Universitari Germans Trias i Pujol, Spain; <sup>2</sup>Universitat Autònoma de Barcelona, Spain; <sup>3</sup>Hospital Universitari de Bellvitge, L'Hospitalet de Llobregat, Spain; <sup>4</sup>Universitat de Barcelona, Spain; <sup>5</sup>Parc de Salut Mar, Spain
- 249. Are energy drinks associated with increased frequency of antisocial behaviors among those with alcohol use disorders?**  
E. Ngjelina<sup>1</sup>, K. Polak<sup>1</sup>, A. Edwards<sup>2</sup>, K. Kendler<sup>2</sup>, D. Svikis<sup>1</sup>. <sup>1</sup>Department of Psychology, Virginia Commonwealth University (VCU), United States; <sup>2</sup>Psychiatry Department, VCU, United States
- 250. Influence of awareness of HIV status on risky behavior among people who inject drugs in Ukraine**  
Y. Novak, I. Sazonova. International Alliance for Public Health, Ukraine
- 251. Psychological factors and risk perception as predictors of tobacco smoking behavior among undergraduates of University of Calabar**  
U.C. Onukogu<sup>1</sup>, U. Owoidoho<sup>2</sup>, J.B. Okegbe<sup>1</sup>, C.A. Anya<sup>3</sup>, E.E. Ekpe<sup>1</sup>, B. Edet<sup>1</sup>. <sup>1</sup>Federal Neuro Psychiatric Hospital-Calabar, Nigeria; <sup>2</sup>University of Calabar, Nigeria; <sup>3</sup>Federal University Gusau, Nigeria
- 252. High prevalence of physical and sexual abuse among socially vulnerable women crack users in Brazil**  
F. Ornell, J.N. Scherer, S. Halpern, J. Narvaez, V.S. Roglio, F. Pechansky, F.H.P. Kessler, L. von Diemen. Collaborating Center on Alcohol and Drugs, Center for Drug and Alcohol Research, Hospital de Clínicas de Porto Alegre, Federal University of Rio Grande do Sul, Brazil
- 253. Crack cocaine users with high family/social problems show more psychiatric symptoms and violent behavior**  
M.P. Pachado<sup>1,2</sup>, J.N. Scherer<sup>1</sup>, N. Marchi<sup>1</sup>, R.M.M. De Almeida<sup>2</sup>, F. Pechansky<sup>1</sup>, F.H.P. Kessler<sup>1</sup>. <sup>1</sup>Center for Drug and Alcohol Research, Hospital de Clínicas de Porto Alegre, Federal University of Rio Grande do Sul (UFRGS), Brazil. <sup>2</sup>Psychology Institute, UFRGS, Brazil
- 254. Cocaine use in trauma patients admitted to intensive care medicine: Clinical and epidemiological characterization**  
A. Pascale<sup>1</sup>, F. Verga<sup>2</sup>, J. Gil<sup>3</sup>, A. França<sup>2</sup>, I. Alvez<sup>2</sup>, E. Echavarría<sup>2</sup>, H. Bagnulo<sup>2</sup>. <sup>1</sup>Red Latinoamericana de Investigadores en Drogas Network (REDLA), Uruguay; <sup>2</sup>Intensive Care Unit, Hospital Maciel, Montevideo, Uruguay; <sup>3</sup>Statistics Department, Hospital de Clínicas, Montevideo, Uruguay

- 255. Gender differences in drug dependence, anxiety, and depressive symptoms among residents of therapeutic communities in Peru**  
M. Piazza<sup>1,2</sup>, D. Blitchein-Winicki<sup>1,2</sup>, C. Gómez Restrepo<sup>3</sup>. <sup>1</sup>Universidad Peruana Cayetano Heredia, Peru; <sup>2</sup>National Institute of Health, Peru; <sup>3</sup>Pontificia Universidad Javeriana, Colombia
- 256. Potential opioid misuse in the social security health care system of Peru, January 2014 to March 2015**  
J. Ponce Terashima<sup>1</sup>, F. Fiestas<sup>2</sup>, V. Dongo<sup>2</sup>, K. Hoffman<sup>1</sup>, D. McCarty<sup>3</sup>. <sup>1</sup>International Center for Advanced Research and Applied Science, Perú; <sup>2</sup>Seguro Social de Salud, Perú; <sup>3</sup>Oregon Health & Science University, United States
- 257. First experience of medication-assisted therapy provision by family physicians in Ukraine**  
I. Pykalo<sup>1</sup>, O. Morozova<sup>2</sup>, S. Dvoryak<sup>1</sup>. <sup>1</sup>Ukrainian Institute on Public Health Policy, Ukraine; <sup>2</sup>Yale School of Public Health, United States
- 258. Methamphetamine use among Iranian patients in methadone maintenance treatment: Is this a threat?**  
S.R. Radfar<sup>1</sup>, U.S. Warda<sup>2</sup>, R. Rawson<sup>2</sup>. <sup>1</sup>Substance Abuse and Dependence Research Center, University of Social Welfare and Rehabilitation Sciences, Iran; <sup>2</sup>Integrated Substance Abuse Programs, University of California, Los Angeles, United States
- 259. Drug use, economic vulnerability, and experiences of sexual violence among female sex workers in Tijuana, Mexico**  
E. Reed<sup>1</sup>, J.G. Silverman<sup>1</sup>, B.S. West<sup>1</sup>, M. Salazar<sup>1</sup>, M.G.R. Gómez<sup>2,3</sup>, K.C. Brouwer<sup>1</sup>. <sup>1</sup>University of California, San Diego, United States; <sup>2</sup>U.S.–Mexico Border Health Commission, Mexico; <sup>3</sup>El Colegio de la Frontera Norte, Mexico
- 260. Characteristics and pharmacological treatment of patients with severe cannabis use disorder in Badalona, Spain**  
I. Rivas<sup>1</sup>, A. Sanvisens<sup>2</sup>, M. Rodriguez<sup>3</sup>, D. Fuster<sup>2</sup>, P. Caballería<sup>3</sup>, R. Muga<sup>2</sup>. <sup>1</sup>Municipal Center for Substance Abuse Treatment, Institut Municipal De Serveis Personals, Spain; <sup>2</sup>Department of Internal Medicine, Hospital Universitari Germans Trias i Pujol, Spain; <sup>3</sup>Management of Pharmacy, Metropolitan Areas of Health Regions Barcelona, Catalan Health Service, Spain
- 261. Health impacts of kratom (*Mitragyna speciosa* Korth) use in Thailand**  
D. Saengam, S. Assanangkornchai, A.F. Geater. Epidemiology Unit, Faculty of Medicine, Prince of Songkla University, Thailand
- 262. Factors associated with hepatitis C among people who inject drugs in Ukraine**  
T. Saliuk, Y. Sazonova. Alliance for Public Health, Ukraine
- 263. High prevalence of driving under the influence, and legal and psychiatric problems, among crack cocaine drivers**  
J.N. Scherer, R. Silvestrin, F. Ornell, T.R.V. Sousa, L. Von Diemen, F.H.P. Kessler, F. Pechansky. Center for Drug and Alcohol Research, Hospital de Clínicas de Porto Alegre, Federal University of Rio Grande do Sul, Brazil
- 264. High prevalence of suicide risk and brain-derived neurotrophic factor serum levels in crack cocaine users during early abstinence**  
L. Schwanck, J. Scherer, F. Ornell, R. Silvestrin, J. Narvaez, F. Kessler, F. Pechansky, L. Von Diemen. Center for Drug and Alcohol Research, Hospital de Clinicas de Porto Alegre, Federal University of Rio Grande do Sul, Brazil
- 265. Correlates of needle sharing in Iranian drug-injecting dyads: The results of cross-classified modeling of personal networks**  
A. Shahesmaeli<sup>1,2</sup>, A.A. Haghdoost<sup>2</sup>, H. Soori<sup>3</sup>. <sup>1</sup>Regional Knowledge Hub and World Health Organization Collaborating Centre for HIV Surveillance, Institute for Futures Studies in Health, Kerman University of Medical Sciences, Iran; <sup>2</sup>Epidemiology Department, School of Public Health, Shahid Beheshti University of Medical Sciences, Iran; <sup>3</sup>Safety Promotion and Injury Prevention, School of Public Health, Shahid Beheshti University of Medical Sciences, Iran
- 266. Pattern of uterus bleeding in methamphetamine users differs from heroin users during long-term abstinence**  
W. Shen, Y. Zhang, L. Li, W. Zhou. Ningbo Addiction Research and Treatment Center, China

Full abstracts are available online at [www.drugabuse.gov/international/abstract-database](http://www.drugabuse.gov/international/abstract-database).

- 267. Smokeless tobacco used as traditional medicine during pregnancy contributes to habituation in Southeast Asia**  
P.N. Singh<sup>1</sup>, D. Yel<sup>2</sup>, T. Rathavy<sup>3</sup>, S. Vong<sup>3</sup>, K. Somsamouth<sup>4</sup>, R. Paulino<sup>1</sup>, S. Tonstad<sup>1</sup>, J.S. Job<sup>1</sup>.  
<sup>1</sup>Center for Health Research, Loma Linda University, United States; <sup>2</sup>World Health Organization, Cambodia; <sup>3</sup>National Center for Maternal and Child Health, Ministry of Health, Cambodia; <sup>4</sup>Ministry of Health, Laos
- 270. Characteristics of community heroin users in Taiwan: A social network approach**  
S-C. Wang<sup>1,2</sup>, N.Y. Wang<sup>1</sup>, T-T. Ting<sup>3</sup>. <sup>1</sup>Center for Neuropsychiatric Research, National Health Research Institutes, Taiwan; <sup>2</sup>Department of Psychiatry, Far Eastern Memorial Hospital, Taiwan; <sup>3</sup>Institute of Sociology, Academia Sinica, Taiwan
- 271. Delay discounting among smokers, e-cigarette users, and nondependent controls**  
S. Weidberg, A. González-Roz, V. Martínez-Loredo, C. López-Núñez, I. Pericot-Valverde, R. Secades-Villa. Department of Psychology, University of Oviedo, Spain
- 272. Effects of synthetic cannabinoids on executive function in regular users in Israel and Hungary**  
A. Weinstein<sup>1</sup>, K. Cohen<sup>1,2</sup>, P. Rosca<sup>3</sup>, Z. Demetrovics<sup>2</sup>. <sup>1</sup>Department of Behavioral Science, Ariel University, Israel; <sup>2</sup>Institute of Psychology, Eötvös Loránd University, Hungary; <sup>3</sup>Department for the Treatment of Substance Abuse, Ministry of Health, Israel
- 273. Systematic literature review on synthetic cathinone ("bath salts") use and HIV risk and transmission**  
A.V. Williams<sup>1</sup>, F. Hariga<sup>2</sup>. <sup>1</sup>Addictions Department, Institute of Psychiatry, King's College London, United Kingdom; <sup>2</sup>United Nations Office on Drugs and Crime, Austria
- 274. What is the relationship between selected sociodemographic variables, knowledge of consequences, and drug consumption at a faith-based university in Jamaica?**  
F. Williams. Interdisciplinary Department, Lakehead University-Orillia Campus, Canada
- 275. Implementing a large multisite experimental study in Ukraine**  
O. Zeziulin<sup>1</sup>, K. Dumchev<sup>1</sup>, O. Denisyuk<sup>2</sup>, S. Dvoriak<sup>1</sup>, T. Kiryazova<sup>1</sup>, Y. Sereda<sup>1</sup>, P. Smyrnov<sup>2</sup>. <sup>1</sup>Ukrainian Institute on Public Health Policy, Ukraine; <sup>2</sup>Alliance for Public Health, Ukraine

## Other

- 300. The Khat Research Program (KRP): Progress and achievements**  
M. al'Absi. University of Minnesota Medical School, United States
- 301. Global developments in professional development: Engagement with free online course, "Management of Addiction," by University of Adelaide**  
F. Buisman-Pijlman<sup>1</sup>, L. Gowing<sup>1,2</sup>, A. Salem<sup>1</sup>, R. Ali<sup>1,2</sup>. <sup>1</sup>Discipline of Pharmacology, School of Medicine, University of Adelaide, Australia; <sup>2</sup>Drug and Alcohol Services South Australia, World Health Organization Collaborative Centre, Australia
- 302. Review of the evaluation processes for the International Programme in Addiction Studies**  
A. Coetzer-Liversage<sup>1</sup>, M. Loos<sup>2</sup>, L. Cathers<sup>2</sup>, F. Buisman-Pijlman<sup>3</sup>, A. Williams<sup>4</sup>. <sup>1</sup>Hubert H. Humphrey Fellowship, Virginia Commonwealth University, United States; <sup>2</sup>Virginia Commonwealth University, United States; <sup>3</sup>University of Adelaide, Australia; <sup>4</sup>King's College London, United Kingdom
- 303. The Hubert H. Humphrey Fellowship Program at Virginia Commonwealth University**  
J.R. Koch, R.L. Balster, A. Breland, L.D. Hedges. Virginia Commonwealth University, United States
- 304. Enhancing forensic investigations of narcotic drugs and suspected murder cases in Sierra Leone**  
J. Lahai. Criminal Investigations Department, Sierra Leone Police Force, Sierre Leone; Hubert H. Humphrey Fellowship, Virginia Commonwealth University, United States
- 305. The Virginia Commonwealth University Hubert H. Humphrey Fellowship in Substance Abuse Prevention, Treatment, and Policy: One-year follow-up**  
O. Leonchuk<sup>1</sup>, J.R. Koch<sup>2</sup>, R.L. Balster<sup>2</sup>, A. Breland<sup>2</sup>. <sup>1</sup>North Carolina State University, United States; <sup>2</sup>Virginia Commonwealth University, United States

- 306. Quarter century of drug decriminalization in the Czech Republic: Tremendous success, pathetic failure?**

T. Zabransky<sup>1,2</sup>, J. Radimecky<sup>2,3</sup>. <sup>1</sup>ResAD Institute, Czech Republic; <sup>2</sup>Charles University in Prague, First Medical Faculty, Clinic of Addictology, Czech Republic; <sup>3</sup>White Light Non-Governmental Organization, Czech Republic

- 307. Professionalizing the Addiction Treatment Services in Asia**

C. Sisson. Bureau of International Narcotics and Law Enforcement Affairs, U.S. Department of State, United States

## **Prevention**

- 400. Impact of "class smoke-free" pledge on nicotine dependence in male adolescents: A cluster randomized controlled trial**

N.A. Al-sheyab<sup>1</sup>, M.A. Alomari<sup>1</sup>, S. Shah<sup>2</sup>, R. Gallagher<sup>2</sup>. <sup>1</sup>Jordan University of Science and Technology, Jordan; <sup>2</sup>The University of Sydney, Australia

- 401. Knowledge of smoking in university to prevent students' tobacco consumption**

F. Bautista-Pérez. Universidad Evangélica de El Salvador, El Salvador

- 402. Hepatitis C and HIV in injecting drug users in Armenia, Colombia**

D. Berbesi-Fernández, Á. Segura-Cardona, L. Montoya-Vélez, G. Castaño. CES University, Colombia

- 403. Influence of cannabis perceptions on consumption behaviors among users in Togo**

M. Bohm<sup>1,2</sup>, N. Djassoa<sup>3</sup>, K. Gbati<sup>3</sup>, K. Dassa<sup>4</sup>. <sup>1</sup>Comité National Anti-Drogue, Togo; <sup>2</sup>Hubert H. Humphrey Fellowship Program, Virginia Commonwealth University, United States; <sup>3</sup>Institut National des Sciences de l'Education, Filière de Psychologie Appliquée, Université de Lomé, Togo; <sup>4</sup>Université de Lomé, Togo

- 404. The specific needs of female heroin users in Taiwan: Using quantitative and qualitative approaches**

Y-L. Chien<sup>1,2</sup>, W-L. Huang<sup>1,3</sup>, S-T. Lee<sup>3</sup>. <sup>1</sup>Department of Psychiatry, National Taiwan University Hospital, Taiwan; <sup>2</sup>Department of Psychiatry, University of California, San Francisco, United States; <sup>3</sup>Department of Psychiatry, National Taiwan University Hospital Yunlin Branch, Taiwan

- 406. Substance use and sexual risk for HIV among women in Russia**

D. Diakonova-Curtis<sup>1</sup>, A. Shaboltas<sup>1</sup>, T. Balachova<sup>2</sup>. <sup>1</sup>Department of Psychology, St. Petersburg State University, Russia; <sup>2</sup>Department of Pediatrics, University of Oklahoma Health Sciences Center, United States

- 407. A novel family-based motivational interviewing approach in reducing/eliminating drug abuse: A focus on individuals from Mexican descent**

A. Diallo. University of Texas-Rio Grande Valley, United States

- 408. Egyptian Humphrey Fellows' initiative to train dentistry students on screening, brief intervention, and referral to treatment model**

W.E. Hassan<sup>1,2</sup>, A.H. Elrasheed<sup>1,2</sup>, M. Elhamshary<sup>2,3</sup>. <sup>1</sup>Institute of Psychiatry, Ain Shams University, Egypt; <sup>2</sup>Hubert H. Humphrey Fellowship Program, Virginia Commonwealth University, United States; <sup>3</sup>Psychological Medicine Hospital, Egypt

- 409. Food insecurity and HIV progression among Russians with heavy alcohol consumption**

B. Idrisov<sup>1,2</sup>, K. Lunze<sup>2</sup>, D.M. Cheng<sup>2</sup>, E. Blokhina<sup>3</sup>, N. Gnatienko<sup>2</sup>, G. Patts<sup>2</sup>, C. Bridden<sup>2</sup>, C.E. Chaisson<sup>2</sup>, S.D. Weiser<sup>4</sup>, E. Krupitsky<sup>3</sup>, J.H. Samet<sup>2</sup>. <sup>1</sup>Bashkir State Medical University, Russia; <sup>2</sup>Boston University, United States; <sup>3</sup>First St. Petersburg Pavlov State Medical University, Russia; <sup>4</sup>School of Medicine, University of California, San Francisco, United States

- 410. Feasibility of a multimedia family-based intervention for prevention of drug use among at-risk adolescents in Central Asia**

L. Ismayilova<sup>1</sup>, A. Terlikbayeva<sup>2</sup>, Y. Rozental<sup>2</sup>, E. Gaveras<sup>1</sup>. <sup>1</sup>University of Chicago, United States; <sup>2</sup>Global Health Research Center of Central Asia, Kazakhstan

- 411. Immediate trauma response as a tool to prevent substance abuse among traumatized children**  
L. Juričeková. Four Leaf NGO, Slovakia; Hubert H. Humphrey Fellowship Program, Virginia Commonwealth University, United States
- 413. History of injecting drugs mediates effect of project START intervention on sex behavior of males released from prison in Ukraine**  
T. Kiriazova<sup>1</sup>, Y. Sereda<sup>2</sup>, O. Neduzhko<sup>1</sup>, O. Postnov<sup>1</sup>, S. Dvoriak<sup>1</sup>. <sup>1</sup>Ukrainian Institute on Public Health Policy, Ukraine; <sup>2</sup>Institute for Social Research After Alexander Yaremenko, Ukraine
- 414. HIV antiretroviral drugs for recreational substance use and implications for HIV pre-exposure prophylaxis in South Africa**  
C. Kuo<sup>1,2,3</sup>, D. Operario<sup>1,2</sup>, J. Hoare<sup>3</sup>, K. Underhill<sup>4</sup>, D. Giovenco<sup>1</sup>, L. Brown<sup>2,5</sup>. <sup>1</sup>Department of Behavioral and Social Sciences, Center for Alcohol and Addiction Studies, School of Public Health, Brown University, United States; <sup>2</sup>Lifespan/Tufts/Brown Center for AIDS Research, United States; <sup>3</sup>Department of Psychiatry and Mental Health, University of Cape Town, South Africa; <sup>4</sup>Center for Interdisciplinary Research on AIDS, Yale University, and Yale Law School, United States; <sup>5</sup>Department of Psychiatry and Mental Health, Alpert Medical School, Brown University, United States
- 415. Assessing commune health workers' knowledge of methadone maintenance therapy in Vietnam**  
C. Lin<sup>1</sup>, N.A. Tuan<sup>2</sup>, L. Li<sup>1</sup>. <sup>1</sup>Semel Institute for Neuroscience and Human Behavior, Center for Community Health, University of California, Los Angeles, United States; <sup>2</sup>National Institute of Hygiene and Epidemiology, Vietnam
- 417. Playing with fire: Nonmedical pharmaceutical opioid use among young people in Sydney, Australia**  
L. Maher, G. Dertadian. The Kirby Institute for Infection and Immunity in Society, University of New South Wales, Australia
- 418. Translating and adapting efficacious prevention interventions in partnership with Latin American collaborators**  
F.F. Marsiglia, S. Kulis. Arizona State University, United States
- 420. Evaluation of a brief intervention based on motivational interviewing in Colombia**  
J. Mejia-Trujillo. Corporacion Nuevos Rumbos, Colombia
- 422. HPTN 074: Density-based analysis to identify spatial aggregation of eligible people who inject drugs in Jakarta**  
M. Muslim<sup>1,2</sup>, H. Susami<sup>1,3</sup>, Z. Djoerban<sup>1,3</sup>, S. Djauzi<sup>1,3</sup>, R. Sarasvita<sup>1,3</sup>, D. Imran<sup>1</sup>, S. Suyitno<sup>1</sup>, S. Rose<sup>4</sup>, D. Metzger<sup>5,6</sup>. <sup>1</sup>HPTN 074 Indonesia Site, Cipto Mangunkusumo Hospital, Indonesia; <sup>2</sup>Climate Change Research Center, University of Technology-Sumbawa, Indonesia; <sup>3</sup>Abhipraya Foundation, Indonesia; <sup>4</sup>FHI 360 International, United States; <sup>5</sup>University of Pennsylvania, United States; <sup>6</sup>The Treatment Research Institute, United States
- 423. A geospatial approach for participant recruitment of the HPTN 074 study in Jakarta, Indonesia**  
M. Muslim<sup>1</sup>, H. Susami<sup>\*1</sup>, Z. Djoerban<sup>1</sup>, S. Djauzi<sup>1</sup>, R. Sarasvita<sup>1</sup>, D. Imran<sup>1</sup>, T. Hadi<sup>1</sup>, S. Rose<sup>2</sup>, D. Metzger<sup>3,4</sup>. <sup>1</sup>HPTN 074 Indonesia Site, Cipto Mangunkusumo Hospital, Indonesia; <sup>2</sup>FHI 360 International, United States; <sup>3</sup>University of Pennsylvania, United States; <sup>4</sup>The Treatment Research Institute, United States
- 424. Alcohol marketing and early alcohol use among young people: An exploratory study in Uganda**  
R. Mutaawe. Uganda Youth Development Link, Uganda; Hubert H. Humphrey Fellowship Program, Virginia Commonwealth University, United States
- 425. Mobile society and drug use associated with transmission of HIV/AIDS among women and girls in Burma (Myanmar)**  
R. Myint<sup>1</sup>, L.A. Swe<sup>2</sup>. <sup>1</sup>Myanmar Anti-Narcotics Association, Burma (Myanmar); <sup>2</sup>Community-Based Self-Help Group, Burma (Myanmar)
- 426. Prevalence of substance use and psychological problems among adolescents: A community survey**  
F. Naveed. Drug Free Pakistan Foundation, Pakistan
- 429. Community pharmacists' knowledge, attitudes, and confidence regarding naloxone for overdose reversal**  
S. Nielsen<sup>1,2</sup>, N. Menon<sup>1</sup>, S. Larney<sup>1</sup>, M. Farrell<sup>1</sup>, L. Degenhardt<sup>1</sup>. <sup>1</sup>National Drug and Alcohol Research Centre, University of New South Wales, Australia; <sup>2</sup>South Eastern Sydney Local Health District Drug and Alcohol Services, Australia

## Treatment

430. **Policing, massive street drug testing, and polysubstance use chaos in Georgia: A policy case study**  
D. Otiashvili<sup>1</sup>, M. Tabatadze<sup>1,2</sup>, N. Balanchivadze<sup>3</sup>, I. Kirtadze<sup>1,2</sup>. <sup>1</sup>Addiction Research Centre—Alternative Georgia, Georgia; <sup>2</sup>Business School, Ilia State University, Georgia; <sup>3</sup>National Centre for Commercial Law, Free University, Georgia
432. **Risk and protective factors for recreational and hard drug use among adolescents and emerging adults in Malaysia**  
M. Razali<sup>1</sup>, W. Kliewer<sup>2</sup>. <sup>1</sup>Sultan Idris Education University, Malaysia; <sup>2</sup>Virginia Commonwealth University, United States
433. **Quit Using Drugs Intervention Trial: A brief intervention for risky drug use among federally qualified health centers in East Los Angeles**  
M. Rico<sup>1</sup>, L. Gelberg<sup>1</sup>, R.M. Andersen<sup>1</sup>, M. Vahidi<sup>1</sup>, S. Baumeister<sup>2</sup>, B. Leake<sup>1</sup>. <sup>1</sup>Department of Family Medicine, University of California, Los Angeles, United States; <sup>2</sup>University of Regensburg, Germany
434. **Evaluation of CHOICE-8 effect on girls and boys, who took part in the substance abuse prevention program**  
V. Ryabukha. Prevention Center "Choice," Ukraine
436. **Substance use among female sex workers in two U.S.–Mexico border cities: Associations with age of entry**  
M. Salazar, K. Brouwer, S. Boyce, J. Silverman. Division of Global Public Health, University of California, San Diego, United States
437. **HIV trends among people who inject drugs in the biggest cities of Ukraine**  
I. Sazonova, Y. Novak, T. Saluik. ICF Alliance for Public Health, Ukraine
440. **Cigarette gifting between Chinese smokers and nonsmokers**  
J. Tang<sup>1,2</sup>, Y. Liao<sup>1,2</sup>. <sup>1</sup>Mental Health Institute, the Second Xiangya Hospital of Central South University, China; <sup>2</sup>Department of Psychiatry and Biobehavioral Sciences, University of California, Los Angeles, United States
500. **Use of marijuana among former opioid substitution treatment clients in Nepal**  
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